#### **2012 Structure Summary Report**

**Overall Unit and Item Ratings** 

### **DWR Sacramento Maintenance Yard**

### Cache Creek Setting Basin Weir And Drainage Structure

Overall Unit Rating	Rated Item	Item Rating
A	Vegetation & Obstructions	Α
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	Α
	Encroachments	Α
	Culverts: Inlets / Outlets	Α
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	Α
	Flap Gates	Α
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	Α
	Concrete Surfaces	Α
	Concrete Tilting / Settlement	N
	Concrete Foundations	Α
	Security Fencing	Α
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	N
	Safety	Α

### **Fremont Weir**

Overall Unit Rating	Rated Item	Item Rating
A	Vegetation & Obstructions	А
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	Α
	Encroachments	Α
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	Α
	Concrete Tilting / Settlement	Α
	Concrete Foundations	Α
	Security Fencing	Α
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	Α
	Safety	Α

### **2012 Structure Summary Report**

**Overall Unit and Item Ratings** 

# **DWR Sacramento Maintenance Yard (cont.)**

### **Knights Landing Outfall Structure**

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	Α
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	N
	Encroachments	Α
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	Α
	Sluice/Slide Gates	N
	Electric Gate Operators	М
	Manual Gate Operators	Α
	Concrete Surfaces	Α
	Concrete Tilting / Settlement	N
	Concrete Foundations	Α
	Security Fencing	Α
	Closure Structures	Α
	Trash Rakes	N
	Other Metallic Items	М
	Monolith Joints	N
	Safety	Α

#### **2012 Structure Summary Report**

**Overall Unit and Item Ratings** 

# **DWR Sacramento Maintenance Yard (cont.)**

#### **Paradise Dam**

Overall Unit Rating	Rated Item	Item Rating
M	Vegetation & Obstructions	М
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	Α
	Encroachments	Α
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	N
	Concrete Tilting / Settlement	N
	Concrete Foundations	N
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	N
	Safety	М

#### **2012 Structure Summary Report**

**Overall Unit and Item Ratings** 

# **DWR Sacramento Maintenance Yard (cont.)**

#### **Sacramento Weir**

Overall Unit Rating	Rated Item	Item Rating
Α	Photo Documentation	N
	Vegetation & Obstructions	Α
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	N
	Encroachments	Α
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	Α
	Concrete Surfaces	М
	Concrete Tilting / Settlement	N
	Concrete Foundations	Α
	Security Fencing	Α
	Closure Structures	Α
	Trash Rakes	N
	Other Metallic Items	Α
	Monolith Joints	N
	Safety	Α

#### **Unit Cover Sheet**

#### 2012 Structure Inspection Results

Structure
Cache Creek Setting Basin Weir And Drainage Structure

Structure Rating	Α
Date of Inspection	6/27/2012
DWR Inspector	John Williamson
Accompanied By	Ted Skidgel Sacramento Maintenance Yard

### **Levee Inspection Report By Mile - Structure 2012**

### **DWR Sacramento Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Cache Creek Setting Basin Weir And Drainage Structure		06/27/2012 06/27/2012	John Williamson

LMR	Levee	Mile	Category	Item	Location	Rating	Action/Comment	GPS Latitud	le/Longitude	Issue No.
No.	Start	End	Category	item	tion	ng	, touch comment	Start	End	Photo
1			Structures	Photo Documentation	CR		Inspector Comments: southend of weir 38.682432 - 121.672908, northend of weir 38.68734 -121.673717, top of levee at control structure 38.67847 -121.672947	38.682438 ° -121.672917 °	38.687363 ° -121.673722 °	24 Y
2	0.00	0.00	Structures	Vegetation & Obstructions	CR	Α	Inspector Comments: Minimal, scattered obstructions or vegetation. The flow is not impeded.	38.682460 ° -121.672930 °	38.687350 ° -121.673740 °	2
3	0.00	0.00	Structures	Shoaling / Sedimentation	CR	Α	Inspector Comments: No shoaling or sedimentation present.	38.682460 ° -121.672930 °	38.687350 ° -121.673740 °	3
4	0.00	0.00	Structures	Erosion / Bank Caving	CR	Α	Inspector Comments: No active erosion or bank caving observed on the landward or on the riverward side of the levee.	38.682460 ° -121.672930 °	38.687350 ° -121.673740 °	4
5	0.00	0.00	Structures	Revetments	CR	Α	Inspector Comments: Existing riprap protecttion is properly maintained and is undamaged. Riprap clearly visible.	38.682460 ° -121.672930 °	38.687350 ° -121.673740 °	5
6	0.00	0.00	Structures	Encroachments	CR	Α	Inspector Comments: No Trash, debris, excavation, structures, or other obstructions present within the project easement area.	38.682460 ° -121.672930 °	38.687350 ° -121.673740 °	6
7	0.00	0.00	Structures	Culverts: Inlets / Outlets	CR	Α	Inspector Comments: There is little or no debris, sediment or vegetation blocking the culverts, inlets, sump or discharge areas. The channel capacity for designed flow is not affected.	38.682460 ° -121.672930 °	38.687350 ° -121.673740 °	7
8	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks	CR	N	Inspector Comments: This item does not apply to this inspection.	38.682460 ° -121.672930 °	38.687350 ° -121.673740 °	8
9	0.00	0.00	Structures	Metal Pipes	CR	N	Inspector Comments: This item does not apply to this inspection.	38.682460 ° -121.672930 °	38.687350 ° -121.673740 °	9
10	0.00	0.00	Structures	Trash Racks	CR	Α	Inspector Comments: Trash racks are fastened in place and properly maintained.	38.682460 ° -121.672930 °	38.687350 ° -121.673740 °	10
11	0.00	0.00	Structures	Flap Gates	CR	Α	Inspector Comments: This item does not apply to this inspection.	38.682460 ° -121.672930 °	38.687350 ° -121.673740 °	11
12	0.00	0.00	Structures	Sluice/Slide Gates	CR	N	Inspector Comments: This item does not apply to this inspection.	38.682460 ° -121.672930 °	38.687350 ° -121.673740 °	

* Location	
LS : Land Side WS : Water Side	
WO . Water olde	

Rating

A : Acceptable M : Minimally Acceptable U : Unacceptable

PO: Partially Obstructing
CO: Completely Obstructing
N: Not Inspected, see Inspector Comment

### Levee Inspection Report By Mile - Structure 2012

### **DWR Sacramento Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Cache Creek Setting Basin Weir And Drainage Structure		06/27/2012 06/27/2012	John Williamson

LMR	Levee	Mile	Catamani	léana	Location	Rating	A stinut/Ones month	GPS Latitud	de/Longitude	Issue No.
No.	Start	End	Category	Item	tion	ing	Action/Comment	Start	End	Photo
13	0.00	0.00	Structures	Electric Gate Operators	CR	N	Inspector Comments: This item does not apply to this inspection.	38.682460 ° -121.672930 °	38.687350 ° -121.673740 °	13
14	0.00	0.00	Structures	Manual Gate Operators	CR	Α	Inspector Comments: The gates are tested once a year with safety and dams.	38.682460 ° -121.672930 °	38.687350 ° -121.673740 °	14
15	0.00	0.00	Structures	Concrete Surfaces	CR	Α	Inspector Comments: Negligible spalling, scaling or cracking.	38.682460 ° -121.672930 °	38.687350 ° -121.673740 °	15
16	0.00	0.00	Structures	Concrete Tilting / Settlement	CR	N	Inspector Comments: This item does not apply to this inspection.	38.682460 ° -121.672930 °	38.687350 ° -121.673740 °	16
17	0.00	0.00	Structures	Concrete Foundations	CR	Α	Inspector Comments: No scouring / erosion or undermining near the structure.	38.682460 ° -121.672930 °	38.687350 ° -121.673740 °	17
18	0.00	0.00	Structures	Security Fencing	CR	Α	Inspector Comments: Safety / security fencing is good condition and provides protection against falling or unauthorized access. Gates open and close freely, locks are in place, and there is little corrosion on metal parts.	38.682460 ° -121.672930 °	38.687350 ° -121.673740 °	18
19	0.00	0.00	Structures	Closure Structures	CR	N	Inspector Comments: This item does not apply to this inspection.	38.682460 ° -121.672930 °	38.687350 ° -121.673740 °	19
20	0.00	0.00	Structures	Trash Rakes	CR	N	Inspector Comments: This item does not apply to this inspection.	38.682460 ° -121.672930 °	38.687350 ° -121.673740 °	20
21	0.00	0.00	Structures	Other Metallic Items	CR	N	Inspector Comments: This item does not apply to this inspection.	38.682460 ° -121.672930 °	38.687350 ° -121.673740 °	21
22	0.00	0.00	Structures	Monolith Joints	CR	N	Inspector Comments: This item does not apply to this inspection.	38.682460 ° -121.672930 °	38.687350 ° -121.673740 °	22
23	0.00	0.00	Structures	Safety	CR	Α	Inspector Comments: Safety hardware installed. Adequate protection for fall hazards exist. No hazardous conditions that might affect the operation of the structure exist.	38.682460 ° -121.672930 °	38.687350 ° -121.673740 °	23

\* Location LS: Land Side WS: Water Side CR: Crown \*\* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO: Partially Obstructing
CO: Completely Obstructing
N: Not Inspected, see Inspector Comment

#### **Levee Inspection Report By Mile - Structure 2012**

#### **DWR Sacramento Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Cache Creek Setting Basin Weir And Drainage Structure		06/27/2012 06/27/2012	John Williamson

Levee Mile Report Line	1
Start Levee Mile	
End Levee Mile	
Location	Crown
Category	Structures
Item	Photo Documentation
A photo showing the outf 2012	all structure. Summer

johngw_t_20120702_019.jp	g
--------------------------	---

Levee Mile Report Line	1
Start Levee Mile	
End Levee Mile	
Location	Crown
Category	Structures
Item	Photo Documentation

A photo showing the control structure. Summer 2012

johngw\_t\_20120702\_020.jpg

Levee Mile Report Line	1
Start Levee Mile	
End Levee Mile	
Location	Crown
Category	Structures
Item	Photo Documentation
A photo chaving the into	ka atruatura Summar

A photo showing the intake structure. Summer 2012

johngw\_t\_20120702\_021.jpg







Thursday, September 06, 2012 14:00

# **Levee Inspection Report By Mile - Structure 2012**

Structure	Structure Length	Inspection Start/End	Inspector
Cache Creek Setting Basin Weir And Drainage Structure		06/27/2012 06/27/2012	John Williamson

Levee Mile Report Line	1					
Start Levee Mile						
End Levee Mile						
Location	Crown					
Category	Structures					
Item	Photo Documentation					
Looking north from the southend of the weir. Summer 2012						
johngw_t_20120702_022.jpg						

johngw_t_20120702_022.jpg						
Levee Mile Report Line	1					
Start Levee Mile						
End Levee Mile						
Location	Crown					
Category	Structures					
Item	Photo Documentation					
Looking south from the northend of the weir. Summer 2012						
johngw_t_20120702_023.jpg						





#### **Unit Cover Sheet**

#### **2012 Structure Inspection Results**

Structure	
Fremont Weir	

Structure Rating	A
Date of Inspection	6/27/2012
DWR Inspector	John Williamson
Accompanied By	Ted Skidgel Sacramento Maintenance Yard

### **Levee Inspection Report By Mile - Structure 2012**

### **DWR Sacramento Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Fremont Weir		06/27/2012 06/27/2012	John Williamson

LMR No.	Levee Start	Mile End	Category	Item	Location	Rating	Action/Comment	GPS Latitud	de/Longitude End	Issue No. Photo
1			Structures	Photo Documentation	CR		Inspector Comments: West end of weir 38.758872 - 121.665525, Fish ladder 38.764177 -121.647702, East end of weir 38.764635 -121.635428.	38.758877 ° -121.665528 °	38.764643 ° -121.635415 °	24 Y
2	0.00	0.00	Structures	Vegetation & Obstructions	CR	Α	Inspector Comments: Minimal, scattered obstructions or vegetation. The flow is not impeded.	38.758880 ° -121.665380 °	38.764680 ° -121.635430 °	2
3	0.00	0.00	Structures	Shoaling / Sedimentation	CR	Α	Inspector Comments: No shoaling or sedimentation present.	38.758880 ° -121.665380 °	38.764680 ° -121.635430 °	3
4	0.00	0.00	Structures	Erosion / Bank Caving	CR	Α	Inspector Comments: No active erosion or bank caving observed on the landward or on the riverward side of the levee.	38.758880 ° -121.665380 °	38.764680 ° -121.635430 °	
5	0.00	0.00	Structures	Revetments	CR	Α	Inspector Comments: Existing riprap protecttion is properly maintained and is undamaged. Riprap clearly visible.	38.758880 ° -121.665380 °	38.764680 ° -121.635430 °	5
6	0.00	0.00	Structures	Encroachments	CR	Α	Inspector Comments: No trash, debris, excavation, structures, or other obstructions present within the project easement area.	38.758880 ° -121.665380 °	38.764680 ° -121.635430 °	6
7	0.00	0.00	Structures	Culverts: Inlets / Outlets	CR	N	Inspector Comments: This item does not apply to this inspection.	38.758880 ° -121.665380 °	38.764680 ° -121.635430 °	7
8	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks	CR	N	Inspector Comments: This item does not apply to this inspection.	38.758880 ° -121.665380 °	38.764680 ° -121.635430 °	8
9	0.00	0.00	Structures	Metal Pipes	CR	N	Inspector Comments: This item does not apply to this inspection.	38.758880 ° -121.665380 °	38.764680 ° -121.635430 °	9
10	0.00	0.00	Structures	Trash Racks	CR	N	Inspector Comments: This item does not apply to this inspection.	38.758880 ° -121.665380 °	38.764680 ° -121.635430 °	10
11	0.00	0.00	Structures	Flap Gates	CR	N	Inspector Comments: This item does not apply to this inspection.	38.758880 ° -121.665380 °	38.764680 ° -121.635430 °	11
12	0.00	0.00	Structures	Sluice/Slide Gates	CR	N	Inspector Comments: This item does not apply to this inspection.	38.758880 ° -121.665380 °	38.764680 ° -121.635430 °	12
13	0.00	0.00	Structures	Electric Gate Operators	CR	N	Inspector Comments: This item does not apply to this inspection.	38.758880 ° -121.665380 °	38.764680 ° -121.635430 °	

\* Location LS: Land Side WS : Water Side CR : Crown \* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable PO: Partially Obstructing
CO: Completely Obstructing
N: Not Inspected, see Inspector Comment

### **Levee Inspection Report By Mile - Structure 2012**

### **DWR Sacramento Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Fremont Weir		06/27/2012 06/27/2012	John Williamson

								00/21/2012	vviiilaiti	3011
LMR No.	Levee	Mile	Category	Item	Location	Rating	Action/Comment	GPS Latitude/	Longitude End	Issue No.
14	0.00		Structures	Manual Gate Operators	CR		Inspector Comments: This item does not apply to this inspection.		38.764680 °	
15	0.00	0.00	Structures	Concrete Surfaces	CR	A	Inspector Comments: Crack runs from the top to the bottom on the downstream side at the West end of the weir. It appears to be about 1" at the top an 1/2" near the bottom. This does not effect the function of the weir. It is minor but needs to be repaired. (see photo in photo documation)	38.758880 ° 3 -121.665380 ° -12	38.764680° 21.635430°	15
16	0.00	0.00	Structures	Concrete Tilting / Settlement	CR	Α	Inspector Comments: There are no significant areas of tilting, sliding or settlement that would endanger the integrity of the project.	38.758880 ° 3 -121.665380 ° -12	38.764680 ° 21.635430 °	16
17	0.00	0.00	Structures	Concrete Foundations	CR	Α	Inspector Comments: No scouring / erosion or undermining near the structure.	38.758880 ° 3 -121.665380 ° -12	38.764680 ° 21.635430 °	17
18	0.00	0.00	Structures	Security Fencing	CR	Α	Inspector Comments: Safety / security fencing is good condition and provides protection against falling or unauthorized access. Gates open and close freely, locks are in place, and there is little corrosion on metal parts.	38.758880 ° 3 -121.665380 ° -12	38.764680° 21.635430°	18
19	0.00	0.00	Structures	Closure Structures	CR	N	Inspector Comments: This item does not apply to this inspection.	38.758880 ° 3 -121.665380 ° -12	38.764680 ° 21.635430 °	19
20	0.00	0.00	Structures	Trash Rakes	CR	N	Inspector Comments: This item does not apply to this inspection.	38.758880 ° 3 -121.665380 ° -12	38.764680 ° 21.635430 °	20
21	0.00	0.00	Structures	Other Metallic Items	CR	N	Inspector Comments: This item does not apply to this inspection.	38.758880 ° 3 -121.665380 ° -12	38.764680 ° 21.635430 °	21
22	0.00	0.00	Structures	Monolith Joints	CR	Α	Inspector Comments: The monolith joint material is in good condition.	38.758880 ° 3 -121.665380 ° -12	38.764680 ° 21.635430 °	22
23	0.00	0.00	Structures	Safety	CR	Α	Inspector Comments: No hazardous conditions that might affect the operation of the structure exist.		38.764680 ° 21.635430 °	23

^ Location	
LS : Land Side	
WS : Water Side	

Rating

A : Acceptable M : Minimally Acceptable U : Unacceptable

PO: Partially Obstructing
CO: Completely Obstructing
N: Not Inspected, see Inspector Comment

#### **Levee Inspection Report By Mile - Structure 2012**

#### **DWR Sacramento Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Fremont Weir		06/27/2012 06/27/2012	John Williamson

Levee Mile Report Line	1
Start Levee Mile	
End Levee Mile	
Location	Crown
Category	Structures
Item	Photo Documentation
A view from the top at the	e westside.

johngw\_t\_20120702\_024.jpg

Levee Mile Report Line	1
Start Levee Mile	
End Levee Mile	
Location	Crown
Category	Structures
Item	Photo Documentation

A crack runs top to bottom at the west end structure.

johngw\_t\_20120702\_025.jpg

Levee Mile Report Line	1
Start Levee Mile	
End Levee Mile	
Location	Crown
Category	Structures
Item	Photo Documentation
A view of the fish ladder on the cross bracing.	some rebar is exposed

johngw\_t\_20120702\_026.jpg







Location LS: Land Side WS : Water Side CR : Crown Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO: Partially Obstructing
CO: Completely Obstructing
N: Not Inspected, see Inspector Comment

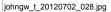
#### **Levee Inspection Report By Mile - Structure 2012**

### **DWR Sacramento Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Fremont Weir		06/27/2012 06/27/2012	John Williamson

Levee Mile Report Line	1
Start Levee Mile	
End Levee Mile	
Location	Crown
Category	Structures
Item	Photo Documentation
Looking to the west from	the fish ladder.
johngw_t_20120702_027.jpg	

Levee Mile Report Line	1
Start Levee Mile	
End Levee Mile	
Location	Crown
Category	Structures
Item	Photo Documentation
Looking to the east from	the fish ladder.



Levee Mile Report Line	1
Start Levee Mile	
End Levee Mile	
Location	Crown
Category	Structures
Item	Photo Documentation
A view from the top at the	e east end of the weir.

johngw\_t\_20120702\_029.jpg







#### **Unit Cover Sheet**

#### **2012 Structure Inspection Results**

Structure			
Knights Landing Outfall Structure			

Structure Rating	Α
Date of Inspection	7/3/2012
DWR Inspector	John Williamson
Accompanied By	Ted Skidgel Sacramento Maintenance Yard

#### **Levee Inspection Report By Mile - Structure 2012**

### **DWR Sacramento Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Knights Landing Outfall Structure		07/03/2012 07/03/2012	John Williamson

LMR	Levee	Mile	Category	Item	Rating ** Location	Action/Comment	GPS Latitud	de/Longitude	Issue No.
N <sub>o</sub>	Start	End	Category	item	tion	Action/Comment	Start	End	Photo
1	0.00	0.00	Structures	Photo Documentation	N	Inspector Comments: North end of structure: 38.79956, - 121.72553. South end of structure: 38.79932, -121.72485. All GPS readings are on the top of the levee at the gates. The outfall structure is to begin repairs on 7-9-2012.	38.799560 ° -121.725530 °	38.799320 ° -121.724850 °	
2	0.00	0.00	Structures	Vegetation & Obstructions	Α	Inspector Comments: Minimal, scattered obstructions or vegetation. The flow is not impeded.	38.799560 ° -121.725530 °	38.799320 ° -121.724850 °	
3	0.00	0.00	Structures	Shoaling / Sedimentation	Α	Inspector Comments: No shoaling or sedimentation present.	38.799560 ° -121.725530 °	38.799320 ° -121.724850 °	3
4	0.00	0.00	Structures	Erosion / Bank Caving	А	Inspector Comments: No active erosion or bank caving observed on the landward or on the riverward side of the levee.	38.799560 ° -121.725530 °	38.799320 ° -121.724850 °	
5	0.00	0.00	Structures	Revetments	N	Inspector Comments: This item does not apply to this inspection.	38.799560 ° -121.725530 °	38.799320 ° -121.724850 °	
6	0.00	0.00	Structures	Encroachments	А	Inspector Comments: No trash, debris, excavation, structures, or other obstructions present within the project easement area.	38.799560 ° -121.725530 °	38.799320 ° -121.724850 °	
7	0.00	0.00	Structures	Culverts: Inlets / Outlets	N	Inspector Comments: This item does not apply to this inspection.	38.799560 ° -121.725530 °	38.799320 ° -121.724850 °	7
8	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks	N	Inspector Comments: This item does not apply to this inspection.	38.799560 ° -121.725530 °	38.799320 ° -121.724850 °	8
9	0.00	0.00	Structures	Metal Pipes	N	Inspector Comments: This item does not apply to this inspection.	38.799560 ° -121.725530 °	38.799320 ° -121.724850 °	9
10	0.00	0.00	Structures	Trash Racks	N	Inspector Comments: This item does not apply to the inspection.	38.799560 ° -121.725530 °	38.799320 ° -121.724850 °	10
11	0.00	0.00	Structures	Flap Gates	А	Inspector Comments: The structure is still scheduled for up grade.	38.799560 ° -121.725530 °	38.799320 ° -121.724850 °	
12	0.00	0.00	Structures	Sluice/Slide Gates	N	Inspector Comments: This item does not apply to this inspection.	38.799560 ° -121.725530 °		
13	0.00	0.00	Structures	Electric Gate Operators	М	Inspector Comments: The electrical and gates is still scheduled for up grade.	38.799560 ° -121.725530 °	38.799320 ° -121.724850 °	

\* Location LS: Land Side WS : Water Side CR : Crown \* Rating A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO: Partially Obstructing
CO: Completely Obstructing
N: Not Inspected, see Inspector Comment

#### **Levee Inspection Report By Mile - Structure 2012**

### **DWR Sacramento Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Knights Landing Outfall Structure		07/03/2012 07/03/2012	John Williamson

							0.700,2012		
LMR No.	Levee		Category	Item	Rating ** Location	Action/Comment	GPS Latitude		Issue No.
14	0.00	0.00	Structures	Manual Gate Operators	A	Inspector Comments: The structure is still scheduled for up grade. One gate stem was damaged during last winter and was being replaced the day of the inspection.	38.799560 ° : -121.725530 ° -12	End 38.799320 ° 21.724850 °	14
15	0.00	0.00	Structures	Concrete Surfaces	А	Inspector Comments: There is a vertical crack on the Northside about 1/2" in width it has not changed from last year. Continue to monitor and repair as necessary. A very small vertical crack at South side continue to monitor it.	38.799560°; -121.725530°-1	38.799320 ° 21.724850 °	
16	0.00	0.00	Structures	Concrete Tilting / Settlement	N	Inspector Comments: This item does not apply to this inspection.	38.799560 ° ; -121.725530 ° -1	38.799320° 21.724850°	
17	0.00	0.00	Structures	Concrete Foundations	Α	Inspector Comments: No scouring / erosion or undermining near the structure.	38.799560 ° ; -121.725530 ° -1	38.799320 ° 21.724850 °	
18	0.00	0.00	Structures	Security Fencing	Α	Inspector Comments: Safety / security fencing is good condition and provides protection against falling or unauthorized access. Gates open and close freely, locks are in place, and there is little corrosion on metal parts.	38.799560 ° -121.725530 ° -12	38.799320 ° 21.724850 °	
19	0.00	0.00	Structures	Closure Structures	А	Inspector Comments: Closure structure in good repair. Placing equipment, stoplogs, and other materials are readily available at all times. Componets of closure clearly marked and installation instructions / procedures readily available.	38.799560 ° : -121.725530 ° -1	38.799320 ° 21.724850 °	
20	0.00	0.00	Structures	Trash Rakes	N	Inspector Comments: This item does not apply to this inspection.	38.799560 ° ; -121.725530 ° -1	38.799320 ° 21.724850 °	
21	0.00	0.00	Structures	Other Metallic Items	M	Inspector Comments: Corrosion seen on metallic parts (except equipment anchors) appears maintainable.	38.799560 ° ; -121.725530 ° -12	38.799320 ° 21.724850 °	
22	0.00	0.00	Structures	Monolith Joints	N	Inspector Comments: This item does not apply to this inspection.	38.799560 ° ; -121.725530 ° -1	38.799320 ° 21.724850 °	
23	0.00	0.00	Structures	Safety	А	Inspector Comments: Safety hardware installed. Adequate protection for fall hazards exist. No hazardous conditions that might affect the operation of the structure exist.	38.799560 ° ; -121.725530 ° -1;	38.799320 ° 21.724850 °	

^ Location				
LS : Land Side				
WS : Water Side				

Rating

A : Acceptable M : Minimally Acceptable U : Unacceptable

PO: Partially Obstructing
CO: Completely Obstructing
N: Not Inspected, see Inspector Comment

#### Levee Inspection Report By Mile - Structure 2012

### **DWR Sacramento Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Knights Landing Outfall Structure		07/03/2012 07/03/2012	John Williamson

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation

The photo was taken from the south levee. This a view of the inlet side of the structure.

johngw\_t\_20120611\_012.jpg

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation

The crack at the north end of the structure has not changed from last year. Continue to montior the crack and repair as necessary.

johngw\_t\_20120703\_041.jpg

1
0.00
0.00
Structures
Photo Documentation

A new landing has been established for construction.

johngw\_t\_20120703\_042.jpg







Location LS: Land Side WS : Water Side CR : Crown Rating

PO: Partially Obstructing
CO: Completely Obstructing
N: Not Inspected, see Inspector Comment

C : Corrected

M : Minimally Acceptable U : Unacceptable

#### **Levee Inspection Report By Mile - Structure 2012**

Structure	Structure Length	Inspection Start/End	Inspector
Knights Landing Outfall Structure		07/03/2012 07/03/2012	John Williamson

Levee Mile Report Line	1			
Start Levee Mile	0.00			
End Levee Mile	0.00			
Location				
Category	Structures			
Item	Photo Documentation			
The photo is of the front of the structure from the south levee.				
johngw_t_20120703_043.jpg				



### **Unit Cover Sheet**

#### **2012 Structure Inspection Results**

Structure	
Paradise Dam	

Structure Rating	М
Date of Inspection	6/29/2012
DWR Inspector	John Williamson
Accompanied By	Dave Williams Sacramento Maintenance Yard

### Levee Inspection Report By Mile - Structure 2012

### **DWR Sacramento Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Paradise Dam		06/29/2012 06/29/2012	John Williamson

LMR No.	Levee	Mile End	Category	Item	Location	Rating	Action/Comment	GPS Latitud	de/Longitude End	Issue No. Photo
1			Structures	Photo Documentation	CR		Inspector Comments: On the levee crown right bank of the dam. 37.760608 -121.309607	37.760713 ° -121.309550 °	37.760713 ° -121.309550 °	24 Y
2	0.00	0.00	Structures	Vegetation & Obstructions	CR	М	Inspector Comments: Vegetation growth (such as dense vegetation (willows) obstructions block the front side (San Joaquin River) of the FCW.	37.760584 ° -121.309450 °	37.760584 ° -121.309450 °	2
3	0.00	0.00	Structures	Shoaling / Sedimentation	CR	Α	Inspector Comments: No shoaling or sedimentation present.	37.760584 ° -121.309450 °	37.760584 ° -121.309450 °	
4	0.00	0.00	Structures	Erosion / Bank Caving	CR	Α	Inspector Comments: No active erosion or bank caving observed on the landward or on the riverward side of the levee.	37.760584 ° -121.309450 °	37.760584 ° -121.309450 °	4
5	0.00	0.00	Structures	Revetments	CR	Α	Inspector Comments: Existing riprap protecttion is properly maintained and is undamaged. Riprap clearly visible.	37.760584 ° -121.309450 °	37.760584 ° -121.309450 °	5
6	0.00	0.00	Structures	Encroachments	CR	Α	Inspector Comments: No trash, debris, excavation, structures, or other obstructions present within the project easement area.	37.760584 ° -121.309450 °	37.760584 ° -121.309450 °	6
7	0.00	0.00	Structures	Culverts: Inlets / Outlets	CR	N	Inspector Comments: This item does not apply to this inspection.	37.760584 ° -121.309450 °	37.760584 ° -121.309450 °	7
8	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks	CR	N	Inspector Comments: This item does not apply to this inspection.	37.760584 ° -121.309450 °	37.760584 ° -121.309450 °	8
9	0.00	0.00	Structures	Metal Pipes	CR	N	Inspector Comments: This item does not apply to this inspection.	37.760584 ° -121.309450 °	37.760584 ° -121.309450 °	9
10	0.00	0.00	Structures	Trash Racks	CR	N	Inspector Comments: This item does not apply to this inspection.	37.760584 ° -121.309450 °	37.760584 ° -121.309450 °	10
11	0.00	0.00	Structures	Flap Gates	CR	N	Inspector Comments: This item does not apply to this inspection.	37.760584 ° -121.309450 °	37.760584 ° -121.309450 °	11
12	0.00	0.00	Structures	Sluice/Slide Gates	CR	N	Inspector Comments: This item does not apply to this inspection.	37.760584 ° -121.309450 °		12
13	0.00	0.00	Structures	Electric Gate Operators	CR	N	Inspector Comments: This item does not apply to this inspection.	37.760584 ° -121.309450 °	37.760584 ° -121.309450 °	

Location	
LS : Land Side	
WS : Water Side	

\*\* Rating

A: Acceptable

M: Minimally Acceptable

U: Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

14.140

FINAL DATA

#### **Levee Inspection Report By Mile - Structure 2012**

### **DWR Sacramento Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Paradise Dam		06/29/2012 06/29/2012	John Williamson

LMR			Item * ton		Rating	Action/Comment	GPS Latitude/Longitude Issu			
No.	Start	End	Category	item	tion	ng	Action/Comment	Start	End	Photo
14	0.00	0.00	Structures	Manual Gate Operators	CR	N	Inspector Comments: This item does not apply to this inspection.	37.760584 ° -121.309450 °	37.760584 ° -121.309450 °	14
15	0.00	0.00	Structures	Concrete Surfaces	CR	N	Inspector Comments: This item does not apply to the inspection.	37.760584 ° -121.309450 °	37.760584 ° -121.309450 °	15
16	0.00	0.00	Structures	Concrete Tilting / Settlement	CR	N	Inspector Comments: This item does not apply to this inspection.	37.760584 ° -121.309450 °	37.760584 ° -121.309450 °	16
17	0.00	0.00	Structures	Concrete Foundations	CR	N	Inspector Comments: This item does not apply to this inspection.	37.760584 ° -121.309450 °	37.760584 ° -121.309450 °	17
18	0.00	0.00	Structures	Security Fencing	CR	N	Inspector Comments: This item does not apply to this inspection.	37.760584 ° -121.309450 °	37.760584 ° -121.309450 °	18
19	0.00	0.00	Structures	Closure Structures	CR	N	Inspector Comments: This item does not apply to this inspection.	37.760584 ° -121.309450 °	37.760584 ° -121.309450 °	19
20	0.00	0.00	Structures	Trash Rakes	CR	N	Inspector Comments: This item does not apply to this inspection.	37.760584 ° -121.309450 °	37.760584 ° -121.309450 °	20
21	0.00	0.00	Structures	Other Metallic Items	CR	N	Inspector Comments: This item does not apply to this inspection.	37.760584 ° -121.309450 °	37.760584 ° -121.309450 °	21
22	0.00	0.00	Structures	Monolith Joints	CR	N	Inspector Comments: This item does not apply to this inspection.	37.760584 ° -121.309450 °	37.760584 ° -121.309450 °	22
23	0.00	0.00	Structures	Safety	CR	M	Inspector Comments: Minor safety hazards are present, but do not pose an immediate threat to the structure or personnel at the structure. There are exposed, rusted cable and the rip rap the backs up the old dam is very hard to walk on.	37.760584 ° -121.309450 °	37.760584 ° -121.309450 °	23

\* Location LS: Land Side WS : Water Side CR : Crown Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO: Partially Obstructing
CO: Completely Obstructing
N: Not Inspected, see Inspector Comment

#### **Levee Inspection Report By Mile - Structure 2012**

#### **DWR Sacramento Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Paradise Dam		06/29/2012 06/29/2012	John Williamson

Levee Mile Report Line	1				
Start Levee Mile					
End Levee Mile					
Location	Crown				
Category	Structures				
Item	Photo Documentation				
A view of the vegetation (sandbar willows) in front of the dam.					

johngw\_t\_20120702\_037.jpg

Levee Mile Report Line	1
Start Levee Mile	
End Levee Mile	
Location	Crown
Category	Structures
Item	Photo Documentation

Cable sticking out from the dam and could be a hazard.

johngw\_t\_20120702\_038.jpg

Levee Mile Report Line	1					
Start Levee Mile						
End Levee Mile						
Location	Crown					
Category	Structures					
Item	Photo Documentation					
A view of the dam from the levee crown.						

johngw\_t\_20120702\_039.jpg







Location LS: Land Side WS : Water Side CR : Crown Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO: Partially Obstructing
CO: Completely Obstructing
N: Not Inspected, see Inspector Comment

#### **Unit Cover Sheet**

#### **2012 Structure Inspection Results**

Structure	
Sacramento Weir	

Structure Rating	Α
Date of Inspection	6/28/2012
DWR Inspector	John Williamson
Accompanied By	Casey Lund Sacramento Maintenance Yard

### **Levee Inspection Report By Mile - Structure 2012**

### **DWR Sacramento Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Sacramento Weir		06/28/2012 06/28/2012	John Williamson

LMR	Levee	Mile	Category	Item	Location	Rating	Action/Comment	GPS Latitu	de/Longitude	Issue No.
No.	Start	End	outogo. y	ito	ion	ρſ	Action Common	Start	End	Photo
1			Structures	Photo Documentation	CR	N	Inspector Comments: South end of the weir bay #48 38.602812 -121. 555741, North end of the weir bay #1 38.607157 -121.56006	38.602811 ° -121.555740 °	38.607157 ° -121.560060 °	
2	0.00	0.00	Structures	Vegetation & Obstructions	CR	Α	Inspector Comments: Minimal, scattered obstructions or vegetation. The flow is not impeded.	38.607120 ° -121.560100 °	38.607120 ° -121.560100 °	
3	0.00	0.00	Structures	Shoaling / Sedimentation	CR	Α	Inspector Comments: No sedimentation present.	38.607120 ° -121.560100 °	38.607120 ° -121.560100 °	3
4	0.00	0.00	Structures	Erosion / Bank Caving	CR	Α	Inspector Comments: No active erosion or bank caving observed on the landward or on the riverward side of the structure.	38.607120 ° -121.560100 °	38.607120 ° -121.560100 °	4
5	0.00	0.00	Structures	Revetments	CR	N	Inspector Comments: This item does not apply to this inspection.	38.607120 ° -121.560100 °	38.607120 ° -121.560100 °	5
6	0.00	0.00	Structures	Encroachments	CR	Α	Inspector Comments: No trash, debris, excavation, structures, or other obstructions present within the project easement area.	38.607120 ° -121.560100 °	38.607120 ° -121.560100 °	
7	0.00	0.00	Structures	Culverts: Inlets / Outlets	CR	N	Inspector Comments: This item does not apply to this inspection.	38.607120 ° -121.560100 °	38.607120 ° -121.560100 °	7
8	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks	CR	N	Inspector Comments: This item does not apply to this inspection.	38.607120 ° -121.560100 °	38.607120 ° -121.560100 °	8
9	0.00	0.00	Structures	Metal Pipes	CR	N	Inspector Comments: This item does not apply to this inspection.	38.607120 ° -121.560100 °	38.607120 ° -121.560100 °	
10	0.00	0.00	Structures	Trash Racks	CR	N	Inspector Comments: This item does not apply to this inspection.	38.607120 ° -121.560100 °	38.607120 ° -121.560100 °	
11	0.00	0.00	Structures	Flap Gates	CR	N	Inspector Comments: This item does not apply to this inspection.	38.607120 ° -121.560100 °	38.607120 ° -121.560100 °	11
12	0.00	0.00	Structures	Sluice/Slide Gates	CR	N	Inspector Comments: This item does not apply to this inspection.	38.607120 ° -121.560100 °	38.607120 ° -121.560100 °	12
13	0.00	0.00	Structures	Electric Gate Operators	CR	N	Inspector Comments: This item does not apply to this inspection.	38.607120 ° -121.560100 °		

^ Location	
LS : Land Side	
WS : Water Side	

Rating

A : Acceptable M : Minimally Acceptable U : Unacceptable

PO: Partially Obstructing
CO: Completely Obstructing
N: Not Inspected, see Inspector Comment

#### **Levee Inspection Report By Mile - Structure 2012**

### **DWR Sacramento Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Sacramento Weir		06/28/2012 06/28/2012	John Williamson

								00/20/2012	vviiiiaiii	3011
LMR No.	Levee	Mile End	Category	Item	Location	Rating	Action/Comment	GPS Latitude	/Longitude	Issue No.
14	0.00	-	Structures	Manual Gate Operators	CR		Inspector Comments: This item does not apply to this inspection.		38.607120 °	
15	0.00	0.00	Structures	Concrete Surfaces	CR	M	Inspector Comments: Spalling, scaling, and open cracking present, but the immediate integrity or performance of the structure is not threatened. Reinforcing steel is exposed. Sacramento Maintenance has done a great job in repairing the concrete surfaces. Some minor repairs are left to be done(see photos).	-121.560100 ° -1	38.607120 ° 21.560100 °	
16	0.00	0.00	Structures	Concrete Tilting / Settlement	CR	N	Inspector Comments: This item does not apply to this inspection.	38.607120 ° -121.560100 ° -12	38.607120 ° 21.560100 °	
17	0.00	0.00	Structures	Concrete Foundations	CR	Α	Inspector Comments: No scouring / erosion or undermining near the structure.	38.607120 ° -121.560100 ° -1	38.607120 ° 21.560100 °	17
18	0.00	0.00	Structures	Security Fencing	CR	Α	Inspector Comments: Safety / security fencing is good condition and provides protection against falling or unauthorized access. Gates open and close freely, locks are in place, and there is little corrosion on metal parts.	38.607120 ° -1. -121.560100 ° -1.	38.607120 ° 21.560100 °	18
19	0.00	0.00	Structures	Closure Structures	CR	Α	Inspector Comments: Closure structure in good repair.	38.607120 ° -121.560100 ° -1	38.607120 ° 21.560100 °	
20	0.00	0.00	Structures	Trash Rakes	CR	N	Inspector Comments: This item does not apply to this inspection.	38.607120 ° -121.560100 ° -1	38.607120 ° 21.560100 °	20
21	0.00	0.00	Structures	Other Metallic Items	CR	Α	Inspector Comments: All metal parts are protected from corrosion damage, and show no rust or deterioration that would cause a safety concern.	38.607120 ° -121.560100 ° -12	38.607120 ° 21.560100 °	
22	0.00	0.00	Structures	Monolith Joints	CR	N	Inspector Comments: This item does not apply to this inspection.	38.607120 ° -121.560100 ° -1	38.607120 ° 21.560100 °	
23	0.00	0.00	Structures	Safety	CR	Α	Inspector Comments: All safety equipment is stored at Sacramento Maintenance.	38.607120 ° -121.560100 ° -1	38.607120 ° 21.560100 °	23

\* Location LS: Land Side WS : Water Side CR : Crown Rating

A : Acceptable M : Minimally Acceptable U : Unacceptable

PO: Partially Obstructing
CO: Completely Obstructing
N: Not Inspected, see Inspector Comment

# **Levee Inspection Report By Mile - Structure 2012**

### **DWR Sacramento Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Sacramento Weir		06/28/2012 06/28/2012	John Williamson

Levee Mile Report Line	1				
Start Levee Mile					
End Levee Mile					
Location	Crown				
Category	Structures				
Item	Photo Documentation				
(Bay 48) Rebar is exposed in the side wall.					
johngw_t_20120702_030.jpg					

Levee Mile Report Line	1				
Start Levee Mile					
End Levee Mile					
Location	Crown				
Category	Structures				
Item	Photo Documentation				
(Bay 48) A crack and rehar exposed					

johngw\_t\_20120702\_031.jpg

Levee Mile Report Line	1					
Start Levee Mile						
End Levee Mile						
Location	Crown					
Category	Structures					
Item	Photo Documentation					
Bay 14) Some rebar is exposed.						







Location LS: Land Side WS : Water Side CR : Crown

johngw\_t\_20120702\_032.jpg

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

#### **Levee Inspection Report By Mile - Structure 2012**

# **DWR Sacramento Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Sacramento Weir		06/28/2012 06/28/2012	John Williamson

Levee Mile Report Line	1				
Start Levee Mile					
End Levee Mile					
Location	Crown				
Category	Structures				
Item	Photo Documentation				
(Bay 12) There is minor exposure at the base.					

johngw\_t\_20120702\_033.jpg

Levee Mile Report Line	1
Start Levee Mile	
End Levee Mile	
Location	Crown
Category	Structures
Item	Photo Documentation

(Bay 6) There is some rebar exposed.

johngw\_t\_20120702\_034.jpg

Levee Mile Report Line	1
Start Levee Mile	
End Levee Mile	
Location	Crown
Category	Structures
Item	Photo Documentation
(Ray 2) There is minor damage with some rehar	

(Bay 2) There is minor damage with some rebar exposed.

johngw\_t\_20120702\_035.jpg







Location LS: Land Side WS : Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO: Partially Obstructing
CO: Completely Obstructing
N: Not Inspected, see Inspector Comment

#### **Levee Inspection Report By Mile - Structure 2012**

### **DWR Sacramento Maintenance Yard**

Structure	Structure Length	Inspection Start/End	Inspector
Sacramento Weir		06/28/2012 06/28/2012	John Williamson

Levee Mile Report Line	1	
Start Levee Mile		
End Levee Mile		
Location	Crown	
Category	Structures	
Item	Photo Documentation	
(Bay 1) There is some rebar exposed.		
johngw_t_20120702_036.jpg		

Johngw_t_20120702_036.jpg	
Levee Mile Report Line	1
Start Levee Mile	
End Levee Mile	
Location	Crown
Category	Structures
Item	Photo Documentation
A view from the north end	d of the weir.





johngw\_t\_20120702\_040.jpg